

Contents Volume 156

Volume 157, Nos. 1–4, 14 April 1998

A study of the stability of subcycling algorithms in structural dynamics <i>W.J.T. Daniel</i>	1
Numerical aspects for free vibration of thick plates. Part I: Formulation and verification <i>C.W. Lim, K.M. Liew and S. Kitipornchai</i>	15
Numerical aspects for free vibration of thick plates. Part II: Numerical efficiency and vibration frequencies <i>C.W. Lim, S. Kitipornchai and K.M. Liew</i>	31
Structural instability analyses based on generalised path-following <i>A. Eriksson</i>	45
Co-rotational flat facet triangular elements for shell instability analyses <i>C. Pacoste</i>	75
Approximation of shell geometry for nonlinear analysis <i>P. Destuynder and M. Salaiün</i>	111
Two-dimensional Lagrangian method for elastic–plastic flow <i>W.H. Lee</i>	149
An exact symplectic geometry solution for the static and dynamic analysis of Reissner plates <i>Z. Guiping</i>	171
Application of an automatic differentiation method to a 2D Navier–Stokes CFD code <i>H. Hu</i>	179
Comparison of some finite element methods for solving the diffusion–convection–reaction equation <i>R. Codina</i>	185
Implementation and adaptivity of a space–time finite element method for structural dynamics <i>X.D. Li and N.-E. Wiberg</i>	211
Variationally derived 3-field finite element formulations for quasistatic poroelastic analysis of hydrated biological tissues <i>M.E. Levenston, E.H. Frank and A.J. Grodzinsky</i>	231
The finite deformation theory for beam, plate and shell structures. Part II. The kinematic model and the Green–Lagrangian strains <i>M. Li</i>	247

A consistent finite element formulation for linear buckling analysis of spatial beams <i>K.M. Hsiao, R.T. Yang and W.Y. Lin</i>	259
Nonlinear analysis based on homogeneous incremental systems <i>M. Kowalczyk</i>	277
Conforming spectral approximations for non-conforming domain decompositions <i>A. Karageorghis and S. Sivaloganathan</i>	299
Structural optimization using evolution strategies and neural networks <i>M. Papadrakakis, N.D. Lagaros and Y. Tsompanakis</i>	309
Scattering of antiplane impact waves by cracks in a layered elastic solid <i>S.W. Liu, J.C. Sung and M.S. Lin</i>	335
A posteriori error estimation and adaptivity for linear elasticity using the reciprocal theorem <i>F. Cirak and E. Ramm</i>	351
Optimal damper positioning in beams for minimum dynamic compliance <i>I. Takewaki</i>	363
Analysis of dynamic response of prey-predator system with nonlinear diffusion-reaction equations by using superposition <i>Y. Ding and M. Kawahara</i>	375
Author Index of Volume 156	389
Subject Index of Volume 156	391
Instructions to authors	395
Contents Volume 156	397

